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TITLE: Wireless paying device and method for electronic commercial transaction of internet television

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BASIC-ABSTRACT:

NOVELTY - A wireless paying device and method for an electronic commercial transaction of an internet television is provided to pay a charge of a commodity without inputting a card number directly by providing a card reader device when an electronic commercial transaction is performed using an internet television.

DETAILED DESCRIPTION - A micro processor(30) being provided in a wireless terminal devices comprises a CPU(30a), internal memories(30b,30c), an input/output port(36), an A/D converter, and a serial port etc. The micro processor(30) processes input/output of data read in a card reader(32), and controls a mouse and all external devices for modulating an infrared rays and a high frequency signal for communicating with an internet television. Also, the micro processor(30) controls a ROM(30c) having a DES security algorithm and secures input information. As the card reader(32), a magnetic card reader or an IC card reader is provided. The IC card is comprised by contacting a data input/output contact point and a contact point provided in a slot of a wireless terminal device. A wireless communication unit(33) is an infrared rays transmitting device for performing frequency division of a 38-KHz frequency and

connecting to an output terminal of a keyboard by a NAND gate and transmitting an infrared rays signal to an internet television or a wireless communication unit for transmitting data using a frequency of an ISM band. A key input unit and mouse unit(31), the card reader(32), and the wireless communication unit(33) are inputted/output to the input/output port(36) by a control of the micro processor(30) and are inputted/output to the micro processor(30) through an address bus and a data bus.

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DRAWING:

TITLE-TERMS: WIRELESS PAY DEVICE METHOD ELECTRONIC COMMERCIAL TRANSACTION TELEVISION

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